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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/656,742	09/07/2000	YURIY REZNIKOV	KSU-188	1368
7	12/20/2002			
RAY L WEBER RENNER KENNER GREIVE BOBAK TAYLOR & WEBER SIXTEENTH FLOOR			EXAMINER	
			TON, MINH TOAN T	
FIRST NATIONAL TOWER AKRON, OH 44308-1456			ART UNIT	PAPER NUMBER
	· · · · · · · · · · · · · · · · · · ·		2871	

DATE MAILED: 12/20/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Appant(s)			
Office Action Summary	09/656,742	REZNIKOV ET AL.			
· Office Action Summary	Examiner	Art Unit			
The MAIL INC DATE of this communication a	Toan Ton	2871 V			
The MAILING DATE of this communication appears on the cover sh et with th correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1) Responsive to communication(s) filed on $\underline{23}$	3 September 2002 .				
2a) ☐ This action is FINAL . 2b) ☑ -	This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
4)⊠ Claim(s) <u>1-27</u> is/are pending in the applicati	on.				
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-27</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12)☐ The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
│ │ 14)│ Acknowledgment is made of a claim for dome	stic priority under 35 U.S.C. § 119	(e) (to a provisional application).			
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	ry (PTO-413) Paper No(s) Patent Application (PTO-152)			
U.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Office	Action Summary	Part of Paper No. 14			

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Election/Restriction

1. All claims are examined.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gibbons et al (US 5032009, IDS reference).

Gibbons discloses an alignment layer comprising anisotropically absorbing molecules, wherein the anisotropically absorbing molecules comprises liquid crystal compounds.

Gibbons discloses exposing the anisotropically absorbing molecules to linearly polarized light of a wavelength or wavelengths within the absorption band of the anisotropically absorbing molecules.

Gibbons discloses the molecules exposed by linearly polarized light through at least one mask having a pattern, wherein the mask is commonly removed after exposure.

Gibbons discloses that his invention employs *conventional* liquid crystal display configuration (see Figure 1), wherein the conventional configuration comprises a pair of substrates, a liquid crystal medium sandwiched between the substrates, each substrate comprises an electrode formed thereon, an alignment layer formed at least on one of the substrates.

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Depositing method such as spin coating or dip coating is common and known in the art.

The recited thickness' range for the alignment layer is at least overlapped the known and common range in the art.

The recited anchoring surface energy' range is at least overlapped the common range (1 erg/cm² to 10-3 erg/cm²).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's 4. disclosure.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. TON whose telephone number is (703) 305-3489. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

December 13, 2002